

July 08, 2016

MEMORANDUM FOR: Distribution Email

FROM: Chris Caruso Magee  
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for  
CPC, OPC, and WPC

**Climate Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of July 11, 2016:

RFC #680 - mpp-driver v1.3 - Add support for deterministic models to the mpp-driver Python application, which is used by CPC forecasters. To be implemented on July 11 at 1400Z.

RFC #681 - model-data-retrieval v2.4.2 - Add support for specifying an exact list of fhrrs to download, instead of just a min, max, and interval for fhrrs to the model-data-retrieval Python application. This application is used by CPC forecasters. To be implemented on July 11 at 1500Z.

RFC #682 - Add Alaska data into the Climate Division process, which requires current and previous month's processed temperature and precipitation output data. Currently, the process only outputs current month's precipitation and temperature data, so the change will allow the output of both current and previous month's data. To be implemented on July 14 at 1400Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of July 11, 2016 may affect CPC:

None

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The following NCO RFCs are in progress and may affect CPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage \*p1, \*d1, \*d2, and \*mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide in late July. This work should be completed on both WCOSS systems by July 31.

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07), effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

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**Ocean Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of July 11, 2016:

RFC #683 – monitor\_procs.pl v2016.07.11 - Update OPC's process monitoring script to account for long-running ESTOFS routines that use Xvfb (X virtual

frame buffer), and set threshold to 4 hours. This will reduce unnecessary emails to OAB. To be implemented on July 11 at 1130Z.

RFC #684 - crontab.utc, altimeter\_bufr\_2\_ascii.pl v16.07.11 - Modify the dataflow for Jason-3 data to the operational path, provided by NCO's Dataflow. The change must occur after NCO starts the new dataflow. OPC's change is to be implemented on July 11 at 1500Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of July 11, 2016 may affect OPC:

RFC #2085 - Modify the Dataflow mirror utility on NCOSRV to bring in new satellite data, Jason-3, from NESDIS. This is at the request of OPC to support ops. To be implemented on July 11 at 1200Z.

RFC #2097 – GMDSS will be declared live on the College Park Telecommunications Gateway. To be implemented on July 12 at 1200Z.

RFC #2098 – GFDL v14.0.3 – Upgrade of the GFDL hurricane model. See the TIN at <http://www.nws.noaa.gov/os/notification/tin16-17gfdl.htm> for details. To be implemented on July 12 at 1200Z.

RFC #2101 – HWRF v10.0.3 – Upgrade of the HWRF model. See the TIN at <http://www.nws.noaa.gov/os/notification/tin16-18hwrfaaa.htm> for details. To be implemented on July 12 at 1330Z.

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The following NCO RFCs are in progress and may affect OPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage \*p1, \*d1, \*d2, and \*mv. This work will require a 14-20 hour outage. Implementation began June 8 at 1200Z on Tide. Gyre will be done after production is switched to Tide in late July. This work should be completed on both WCOSS systems by July 31.

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07), effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

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### **Weather Prediction Center**

The following accelerated items were implemented this past week:

None

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The following will be implemented the week of July 11, 2016:

None

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The following will be implemented the week of August 1, 2016:

RFC #685 – Excessive Rainfall Outlook v2016.07.25 - Implement a set of scripts to replace the "See Text" label with a Marginal contour for the excessive rainfall outlook. Also allow forecasters to draw high risk areas on Day 2 (previously limited to Day 1). To be implemented on August 1 at 1300Z.

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The following RFCs are in progress:

None

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The following NCO RFCs to be implemented the week of July 11, 2016 may affect WPC:

RFC #2098 – GFDL v14.0.3 – Upgrade of the GFDL hurricane model. See the TIN at <http://www.nws.noaa.gov/os/notification/tin16-17gfdl.htm> for details. To be implemented on July 12 at 1200Z.

RFC #2101 – HWRF v10.0.3 – Upgrade of the HWRF model. See the TIN at <http://www.nws.noaa.gov/os/notification/tin16-18hwrfaaa.htm> for details. To be implemented on July 12 at 1330Z.

RFC #2104 – Allow access to bigdogii.pams.ncsu.edu from the NOAA Guest network, in support of research related to WPC operations. To be implemented on July 12 at 1500Z.

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The following NCO RFCs are in progress and may affect WPC:

RFC #2081 – NAWIPS v7.3.1 – Numerous updates to NAWIPS, including: A) new fire weather forecast zone and fire weather forecast zone boundary changes for Southwest Minnesota, effectively June 16, 2016 (SCN16-17); B) fixed county lat/lon for Jasper County, TX; C) Changes to Public Forecast Zones of Northwest California effective June 16, 2016; D) add a new category, Marginal (MRGL), to WPC's excessive rainfall outlook and text output. The new categories are Marginal, Slight, Moderate and High (SCN16-21). The new category will be effective July 25, 2016; E) update NHC code radii for 2016; F) transfer of Fire Weather Zones ALZ0145 in North Center Alabama (SCN16-06) and change to the boundaries of Charleston Harbor marine zone (SCN16-07), effective April 5, 2016; G) Convert OPC shape files into bounds files; and H) Enable GEMPAK GD programs to retrieve all grids from AWIPS2 database. Implementation began on July 7 at 1400Z and should be completed by July 14.

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Please note that security-related RFCs are never listed in the RFC memo.

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---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncp-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

2. Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at [NCWCP.helpdesk@noaa.gov](mailto:NCWCP.helpdesk@noaa.gov).